



# **Rooftop Photovoltaics Federal Building, 300 N. Los Angeles Street, L.A.**

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## The Site

- 1.2 Million GSF Office Building in Los Angeles Civic Center
- Several Federal Agencies are Tenants
- Large Floorplate
- Shared Infrastructure with Neighboring Roybal F.B. & U.S. Courthouse



## The System

- PowerLight System
- Assembled Locally in Los Angeles
- 2054 Ballasted Tilted Modules
- Covers Virtually Entire Roof
- Roof Penetrations Only on Penthouse
- Connection to Major Circuit (Not Main Service)

## Production & Benefits

- 308 kW Direct Current (Ideal)
- 245 kW AC (Actual Benefit)
- Production During Peak Periods
- Estimate Roof 20 – 25 deg F Cooler



## Economics

- Project Cost: \$2.4 Million
- State Incentive (Through SoCalGas): 15% = \$369,000
- LADWP: 70% = \$1.66 Million
- GSA Net Cost: 15% = \$369,000
- Simple Payback: Approx. 5.6 Years

# Challenges

- Relatively Straightforward for the Right Site
- Roof Obstructions (Antennae)
- Roof Penetrations
- Electrical Connection
- Expensive: Incentives Critical















